

What is claimed is:

1. A rotor assembly comprising:
 - a housing having an open end and a closed end, the closed end of the housing being formed with a raised portion in its central location; and
 - 5 a hub mounting on the closed end of the housing and covering the housing except for the raised portion.
2. A rotor assembly according to claim 1, wherein a height of the raised portion is substantially the same as a thickness of the hub positioned on the closed end of the housing.
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3. A rotor assembly according to claim 1, wherein the housing is cup-shaped.
4. A rotor assembly according to claim 1, wherein the raised portion is cup-shaped.
- 15 5. A rotor assembly according to claim 1, wherein the hub is ring-shaped and has an opening.
6. A rotor assembly according to claim 1, wherein the housing is formed with a plurality of apertures in the raised portion.
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7. A rotor assembly according to claim 1, wherein the formation of the raised portion creates a stepped closed end constituted by a top portion, a shoulder and a periphery portion.
- 25 8. A rotor assembly according to claim 7, wherein the hub is fixed on the periphery portion of the housing by way of adhesion.
9. A rotor assembly according to claim 7, wherein the hub is fixed on the periphery portion of the housing through a fastener.
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10. A rotor assembly according to claim 9, wherein the fastener is a clasp.
11. A rotor assembly according to claim 9, wherein the hub and the fastener are integrally formed by injection molding.

12. A rotor assembly according to claim 1, wherein the housing is made of metal.
13. A rotor assembly comprising:
a cup-shaped housing having an open end and an opposed closed end, the closed end of
5 the housing being formed with a raised portion in its central location, and the formation of the
raised portion creating a stepped closed end comprising a top portion, a shoulder and a
periphery portion; and
a hub having a position section and an extended section, the hub mounting on the
cup-shaped housing through the position section covering the periphery portion of the stepped
10 closed end.
14. A rotor assembly according to claim 13, wherein a distance between the top portion
and the periphery portion is substantially the same as a thickness of the position section of the
hub.
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15. A rotor assembly according to claim 13, wherein the housing is formed with a
plurality of apertures in the raised portion.
16. A rotor assembly according to claim 13, wherein the hub is fixed on the periphery
20 portion of the housing by way of adhesion.
17. A rotor assembly according to claim 13, wherein the hub is fixed on the periphery
portion of the housing through a fastener.
- 25 18. A rotor assembly according to claim 17, wherein the fastener is a clasp.
19. A rotor assembly according to claim 17, wherein the hub and the fastener are
integritly formed by injection molding.
- 30 20. A rotor assembly according to claim 13, wherein the housing is made of metal.
21. A rotor assembly according to claim 13, wherein the hub is ring-shaped and has an
opening and an arc or inclined leading edge for smoothly guiding an airflow passing through
the rotor assembly.